OIPE
SEP 22 2005
PATENT & TRADEMARK OFFICE

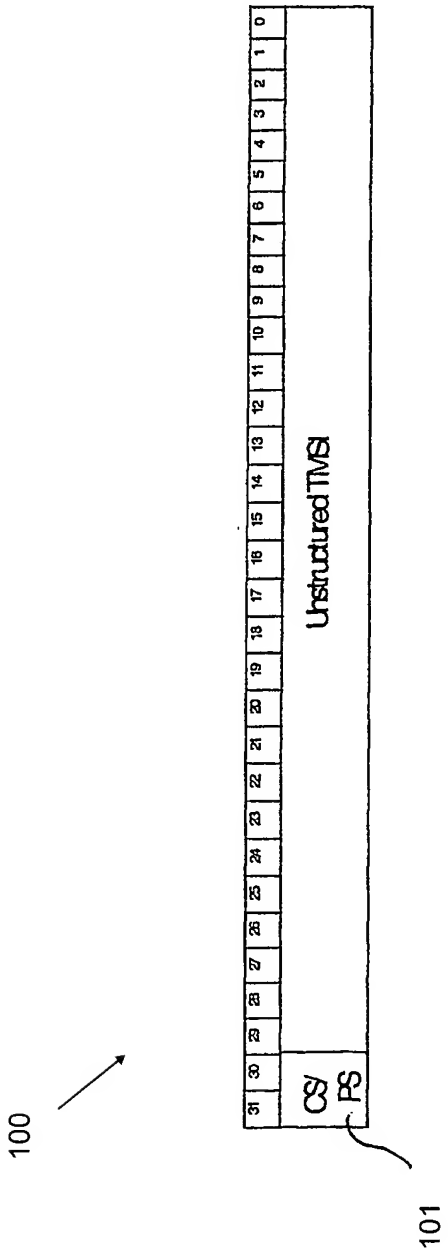

FIG. 1
(PRIOR ART)

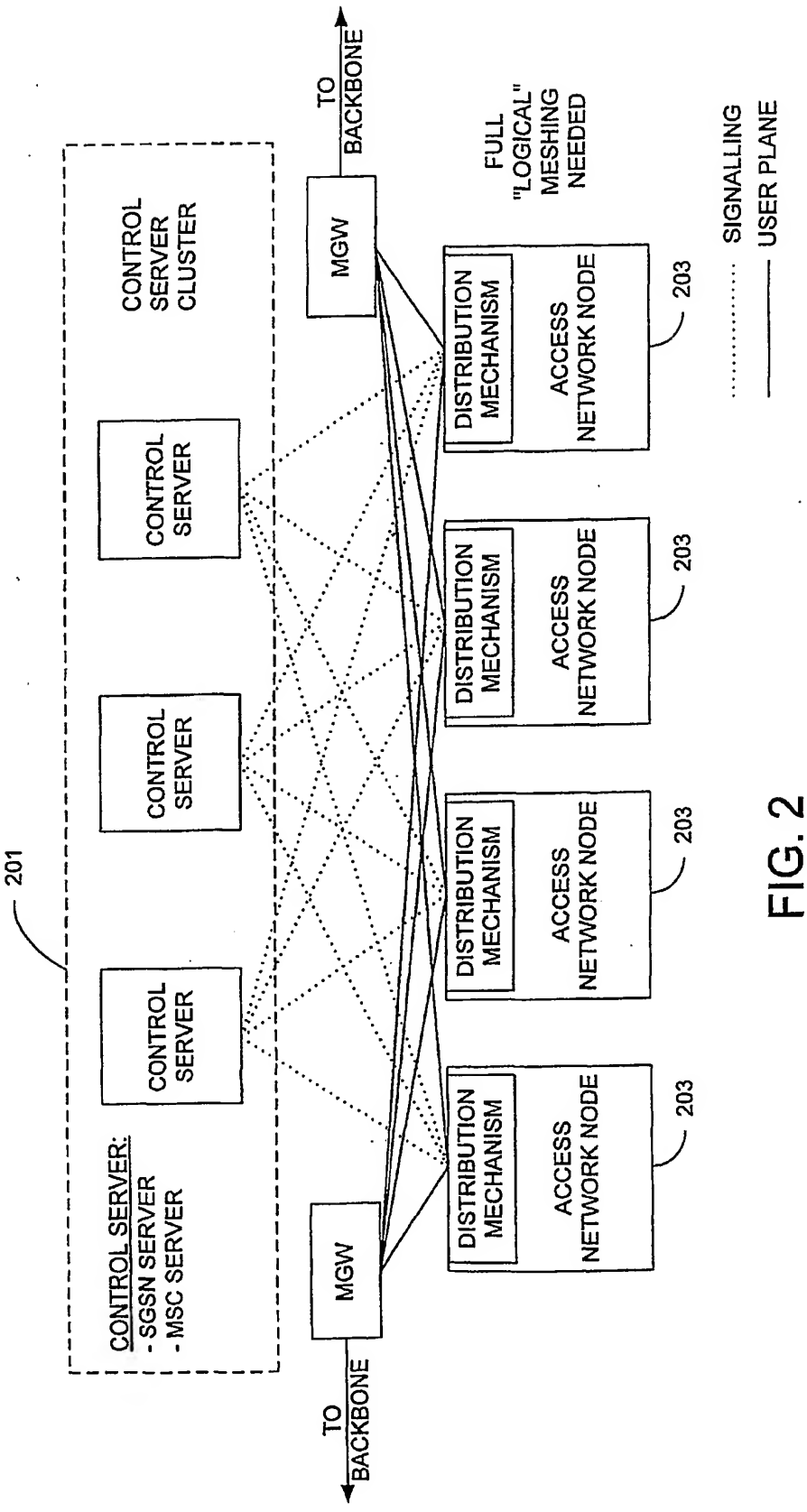

FIG. 2
(PRIOR ART)

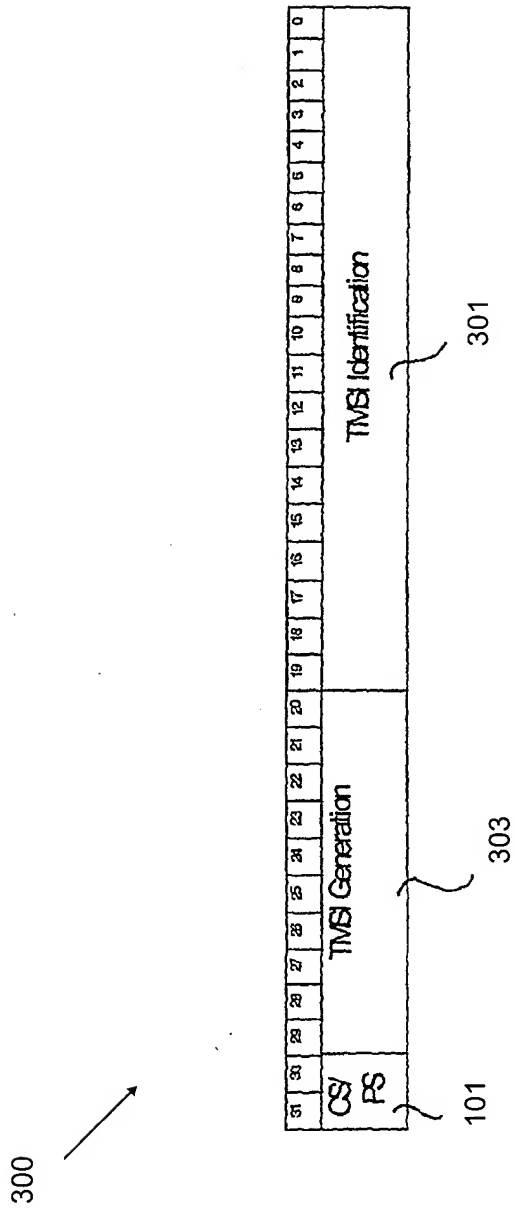

FIG. 3
(PRIOR ART)

400

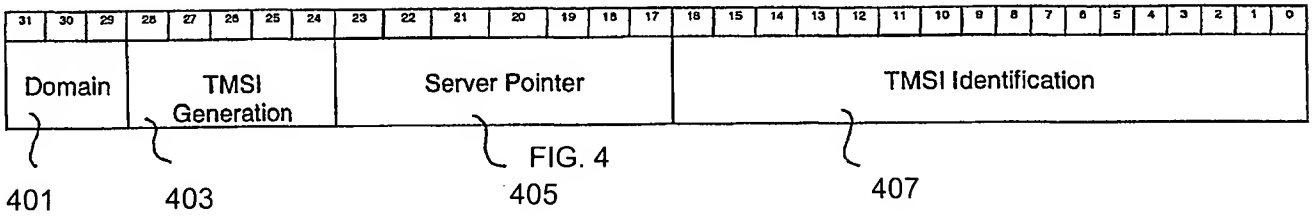

FIG. 4

FIG. 4
(PRIOR ART)

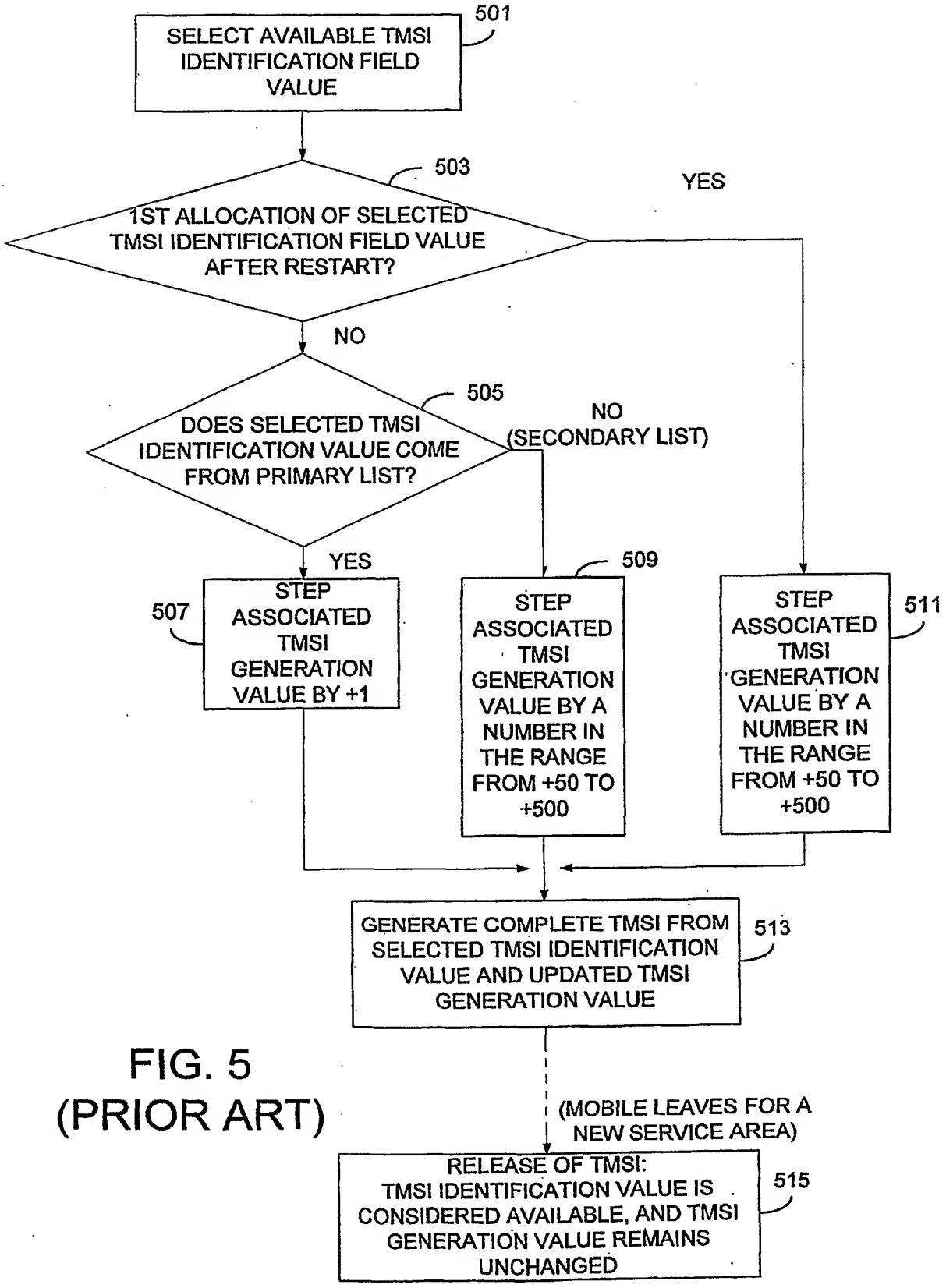

FIG. 5
(PRIOR ART)

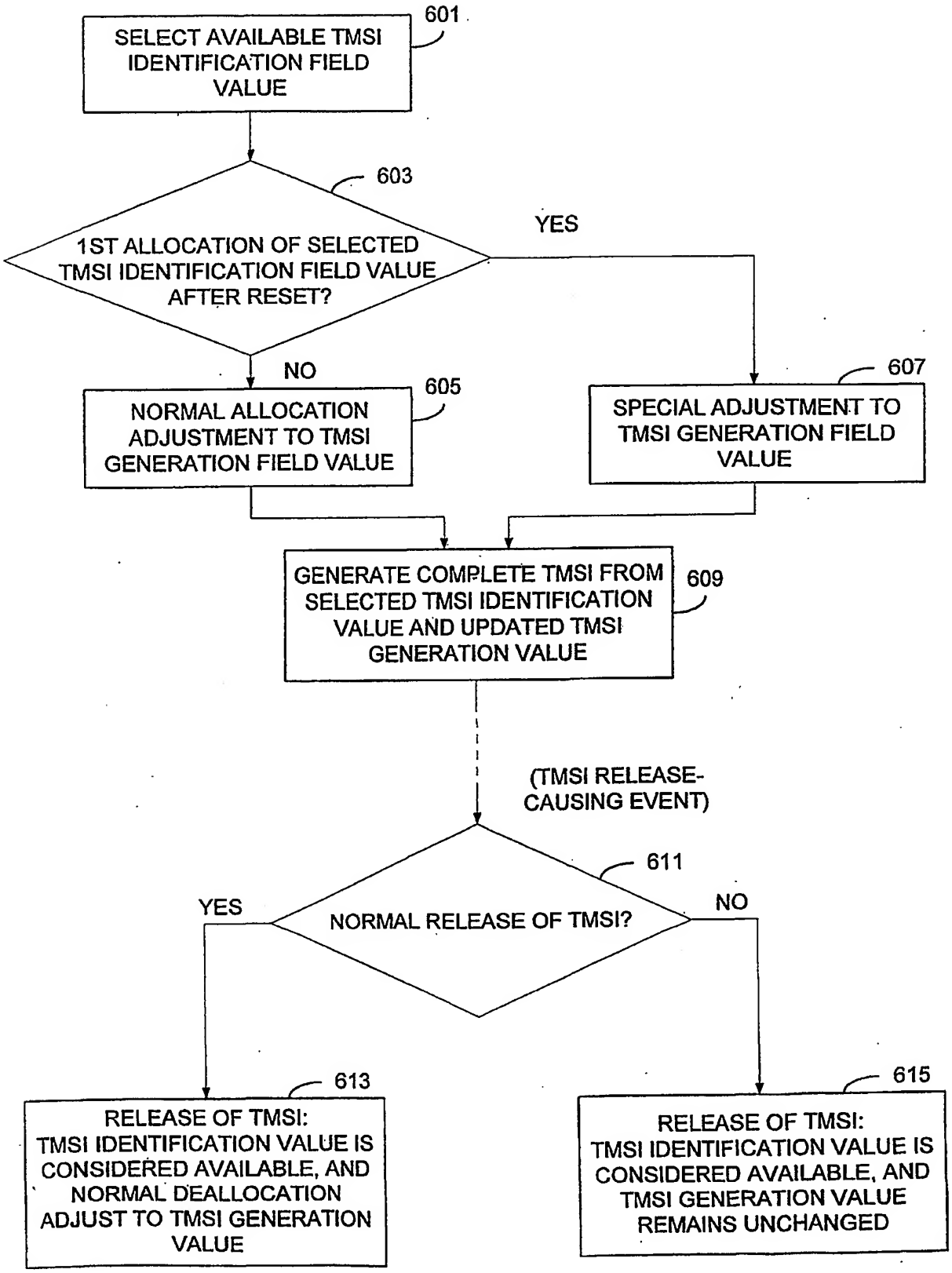
SELECT AVAILABLE TMSI IDENTIFICATION FIELD VALUE
601
1ST ALLOCATION OF SELECTED TMSI IDENTIFICATION FIELD VALUE AFTER RESET?
603
YES
NO
NORMAL ALLOCATION ADJUSTMENT TO TMSI GENERATION FIELD VALUE
605
SPECIAL ADJUSTMENT TO TMSI GENERATION FIELD VALUE
607
GENERATE COMPLETE TMSI FROM SELECTED TMSI IDENTIFICATION VALUE AND UPDATED TMSI GENERATION VALUE
609
(TMSI RELEASE-CAUSING EVENT)
NORMAL RELEASE OF TMSI?
611
YES
NO
RELEASE OF TMSI: TMSI IDENTIFICATION VALUE IS CONSIDERED AVAILABLE, AND NORMAL DEALLOCATION ADJUST TO TMSI GENERATION VALUE
613
RELEASE OF TMSI: TMSI IDENTIFICATION VALUE IS CONSIDERED AVAILABLE, AND TMSI GENERATION VALUE REMAINS UNCHANGED
615

FIG. 6

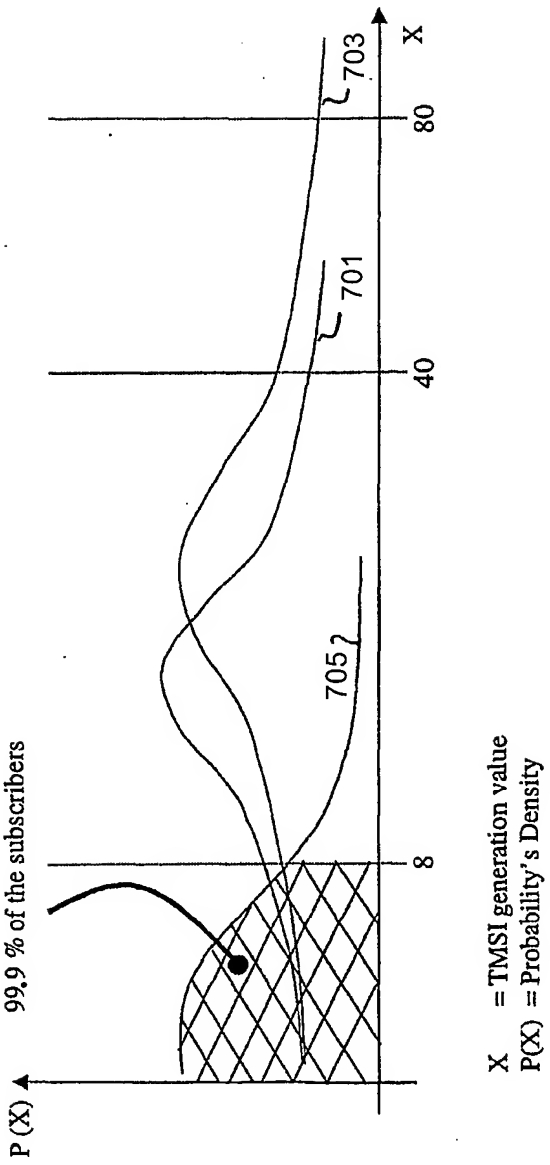
P (X)
99,9 % of the subscribers
8
40
80
X
703
701
705
X = TMSI generation value
P(X) = Probability's Density

FIG. 7

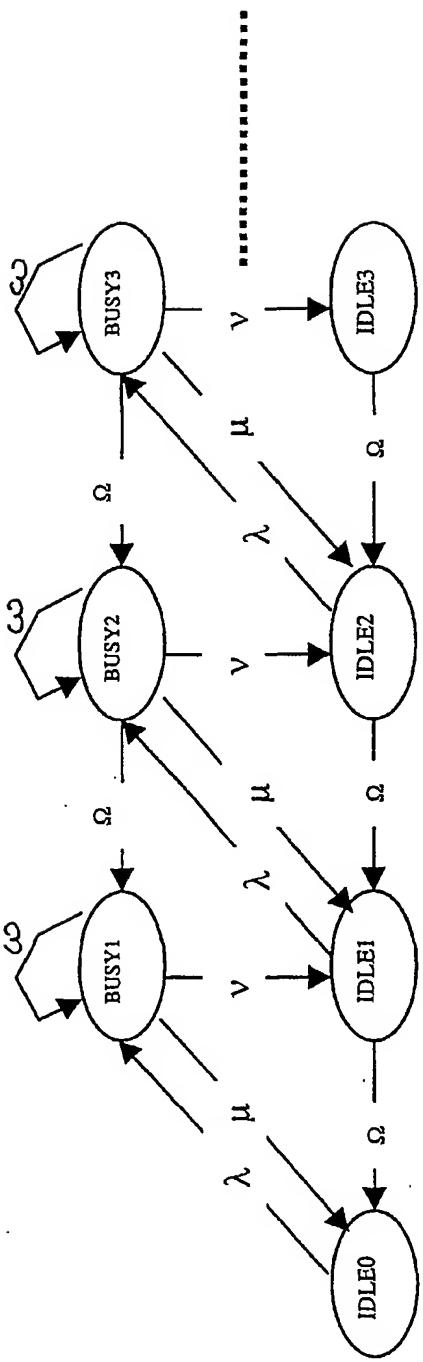

FIG. 8

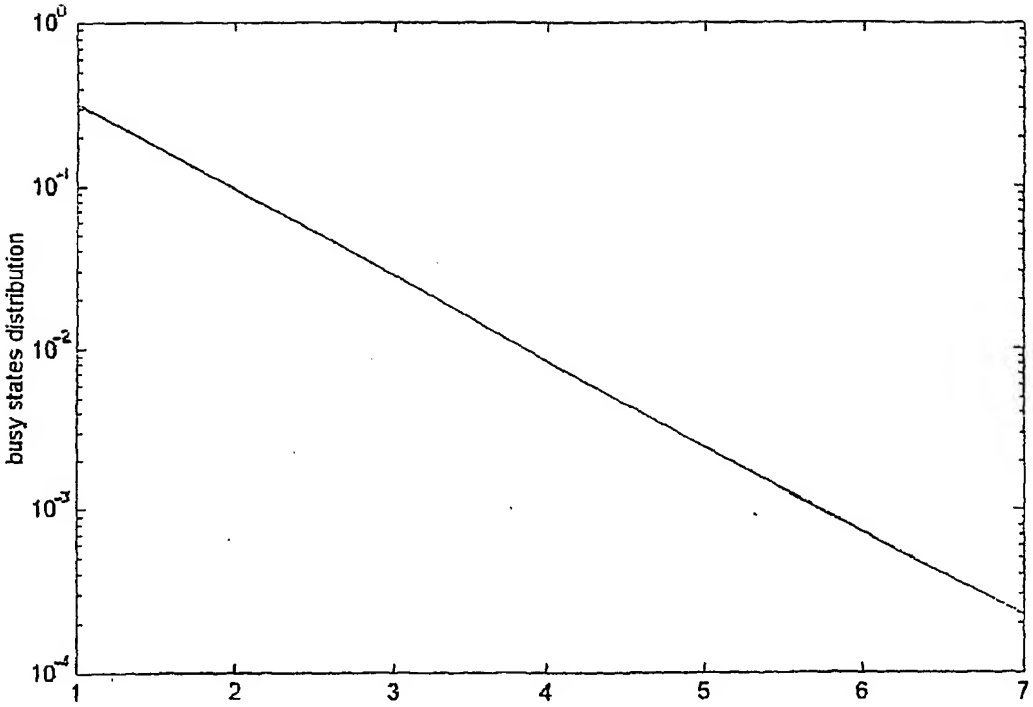

FIG. 9

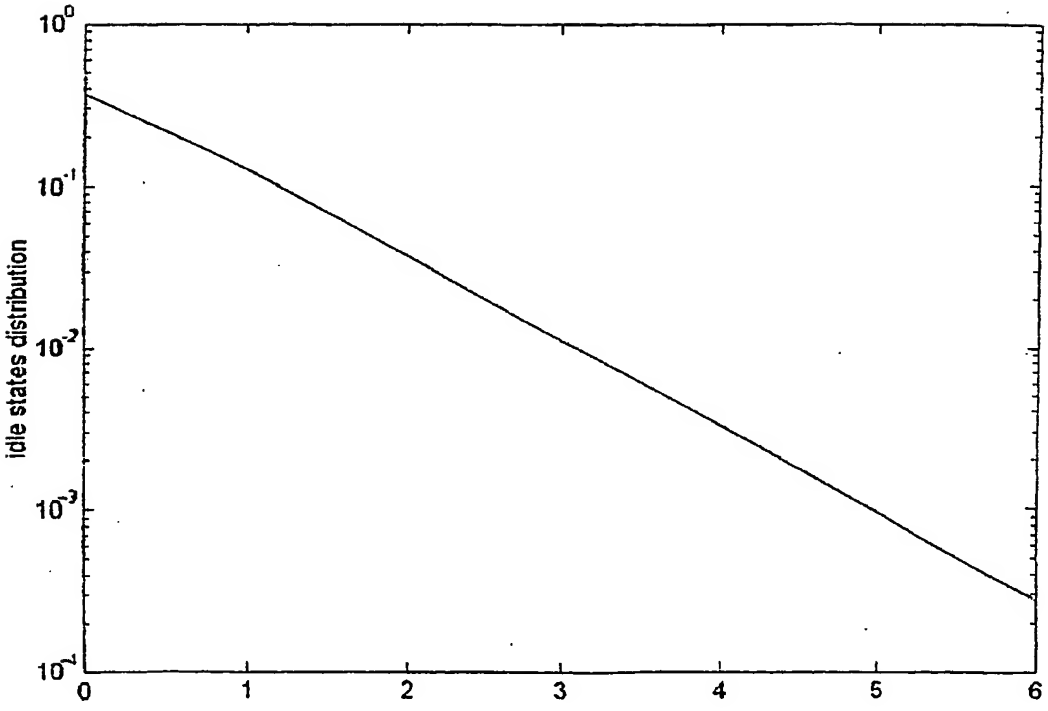

FIG. 10